

Material - ASTM B 621 N08320

Standard Specification for Nickel-Iron-Chromium-Molybdenum Alloy Rod

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 621 N08320 Nickel-Iron-Chromium-Molybdenum Alloy Rod

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.500 max.		
Chromium	Cr %	21.000 - 23.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	4.000 - 6.000		
Phosphorus	P %	0.040 max.		
Titanium	Ti %	4 × C min.		
Nickel	Ni %	25.000 - 27.000		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	517 min.
-	-	-	Yield Strength in Mpa	193 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 619 N08320	ASTM	USA	Pipe
B 622 N08320	ASTM	USA	Pipe and Tube
B 626 N08320	ASTM	USA	Tube
B 620 N08320	ASTM	USA	Plate, Sheet and Strip
SB-619 N08320	ASME	USA	Pipe
SB-620 N08320	ASME	USA	Plate, Sheet and Strip
SB-622 N08320	ASME	USA	Pipe and Tube

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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